ipt cate: 04/09/2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of	Group Art Unit: Unassigned						
J. Paige Phillips et al.	Examiner: Unassigned						
Application No.: 10/594,073	Confirmation No.: Unassigned						
Filing Date: September 25, 2006							
Title: PHOTOVOLTAIC DEVICE WITH) TRIMETASPHERES)							
SECOND INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER							
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Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 Sir Enclosed is a SECOND Information Disclosure Statement (IDS) and accompanying form PTO-1449 for the above-identified patent application. \boxtimes No additional fee for submission of an IDS is required. П The fee of 180 as set forth in 37 C.F.R. § 1.17(p) is also enclosed. \Box A statement under 37 C.F.R. § 1.97(e) is also enclosed. A statement under 37 C.F.R. § 1.97(e), and the fee of 180 as set forth in 37 C.F.R. § 1.17(p) are also enclosed. \Box Charge to Deposit Account No. 02-4800 for the fee due. A check in the amount of __ is enclosed for the fee due. \Box to credit card for the fee due. Form PTO-2038 is attached. \boxtimes The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate. Respectfully submitted. BUCHANAN INGERSOLL AND ROONEY PC Date April 9, 2007 Bv: Christopher L. North Registration No. 50,433 P.O. Box 1404

Alexandria, VA 22313-1404 1737 King Street, Suite 500 Alexandria, VA 22314-2727 703 836 6620

Reseipt date 04/09/2007

Attorney's Docket No. 1034136-000031

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

J. Paige Phillips et al.

) Group Art Unit: Unassigned

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TRIMETASPHERES

SECOND INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. However, copies of the listed U.S. patents and U.S. patent application publications are not enclosed since it is no longer required according to the July 11, 2003 waiver of the requirement for copies of cited U.S. patents and U.S. patent application publications in national patent applications filed after June 30, 2003 and international applications entering the national stage under 35 U.S.C. § 371 after June 30, 2003.

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- 1. MILLER et al., U.S. Patent No. 6,471,942 B1, issued on October 29, 2002.
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 - 3. DORN et al., U.S. Patent No. 6,303,760 B1, issued October 16, 2001.
 - 4. WHEWELL, U.S. Patent No. 5,269,953, issued on December 14, 1993.
 - 5. ATA et al., U.S. Patent No. 6,815,067 A, issued on November 9, 2004.
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Buchanan Ingersoll & Rooney PC

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /JB/

- 10. TAKIKAWA et al, U.S. Patent Publication No. 2002/0061638 A1, published on May 23, 2002.
- 11. ANAZAWA et al., U.S. Patent Publication No. 2001/0050219 A1, published on December 13, 2001.
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NON-PATENT LITERATURE DOCUMENTS

- IEZZI, ERICK B. ET AL., "A Symmetric Derivative of the Trimetallic Nitride Endohedral Metallofullerene, Sc₃N@C₈₀," J.AM.CHEM.SOC., 2002, pp. 524-525, Vol. 124, No. 4, American Chemical Society.
- 2. KRATSCHMER, W. ET AL., "Solid C_{60} : a new form of carbon," NATURE, 9/27/90, pp. 354-358, Vol. 347, Nature Publishing Group.
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 Heidelberg.

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SECOND Information Disclosure Statement Application No. <u>10/594,073</u> Attorney's Docket No. <u>1034136-000031</u>

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- TOPASNA et al., "Fullerene-Polymer Photovoltaic Thin-Film Devices", '01 SBIR Phase II... Topic 16 - Surprises, Luna Innovations Incorporated Blacksburg, VA. March 2004.
- IBM Technical Disclosure Bulletin, Table of Contents including "Atomic Force Microscope with High Dynamic Range Using Bunny or Dopy Balls", Vol. 35, No. 7, December 1992. IBM Corp.

The documents are being submitted within three (3) months of the filling or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since these documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b), no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Bv:

Respectfully submitted,

BUCHANAN INGERSOLL & ROONEY PO

Date: April 9, 2007

Christopher L. North Registration No. 50433

P.O. Box 1404 Alexandria, VA 22313-1404

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Sheet 1

SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Zetti et al.

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	IEZZI, ERICK B. ET AL., "A Symmetric Derivative of the Trimetallic Nitride Endohedral Metallofullerene, Sc₃N@C₅₀," J.AM.CHEM.SOC., 2002, pp. 524-525, Vol. 124, No. 4, American Chemical Society						
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SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/594,073	APR A
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Attorney Docket No.	1034136-000031	- CMAN

NON-PATENT LITERATURE DOCUMENTS						
Examiner Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magaz serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where publisher.						
	MARTENS et al., "Nanostructured organic pn junctions towards 3D photovoltaics", Applied Physics					
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Examiner Signature	/Jeffrey Barton/	Date Considered	09/13/2010